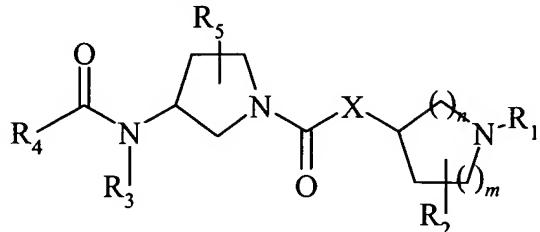


## CLAIMS

1. A compound having the following structure:



or a stereoisomer, prodrug or pharmaceutically acceptable salt thereof,  
wherein:

*m* is 0 or 1;

*n* is 1 or 2;

X is -CH<sub>2</sub>- or -N(R<sub>6</sub>)-;

R<sub>1</sub> is hydrogen, alkyl, substituted alkyl, aryl, substituted aryl, arylalkyl, substituted arylalkyl, heterocycle, substituted heterocycle, heterocyclealkyl, or substituted heterocyclealkyl;

R<sub>2</sub> and R<sub>5</sub> are the same or different and independently hydrogen, alkyl or substituted alkyl;

R<sub>3</sub> is hydrogen, alkyl, substituted alkyl, arylalkyl, substituted arylalkyl, heteroarylalkyl or substituted heteroarylalkyl;

R<sub>4</sub> is alkyl, substituted alkyl, aryl, substituted aryl, heterocycle, substituted heterocycle or -NR<sub>7</sub>R<sub>8</sub>;

R<sub>6</sub> is hydrogen, alkyl or substituted alkyl;

R<sub>7</sub> and R<sub>8</sub> are the same or different and independently hydrogen, alkyl, substituted alkyl, arylalkyl, substituted arylalkyl, aryl, substituted aryl, heterocycle, substituted heterocycle, heteroarylalkyl or substituted heteroarylalkyl, or

R<sub>7</sub> and R<sub>8</sub> taken together with the nitrogen atom to which they are attached form a heterocyclic ring which is optionally substituted by one to three R<sub>9</sub>; and

R<sub>9</sub> is alkyl, substituted alkyl, arylalkyl, substituted arylalkyl, heteroarylalkyl, substituted heteroarylalkyl; aryl, substituted aryl, heterocycle or substituted heterocycle.

2. The compound of claim 1 wherein X is -CH<sub>2</sub>-.

3. The compound of claim 1 wherein X is  $-N(R_6)-$ .
4. The compound of claim 1 wherein  $n$  is 1.
5. The compound of claim 1 where  $n$  is 2.
6. The compound of claim 4 wherein  $m$  is 0.
7. The compound of claim 4 wherein  $m$  is 1.
8. The compound of claim 5 wherein  $m$  is 1.
9. The compound of claim 1 wherein  $R_1$  is hydrogen, alkyl or substituted alkyl, arylalkyl, substituted arylalkyl, heterocyclealkyl or substituted heterocyclealkyl.
10. The compound of claim 1 wherein  $R_1$  is aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycles or substituted heterocycles.
11. The compounds of claim 1 wherein  $R_1$  is alkyl, arylalkyl or heterocyclealkyl wherein the first carbon is substituted by oxo (=O).
12. The compound of claim 1 wherein  $R_4$  is alkyl, substituted alkyl, aryl, substituted aryl, heterocycle or substituted heterocycle.
14. The compound of claim 1 wherein  $R_4$  is  $-NR_7R_8$ .
15. The compound of claim 7 wherein X is  $-NR_6-$ .
16. The compound of claim 15 wherein  $R_2$  and  $R_5$  are each hydrogen.
17. The compound of claim 16 wherein  $R_6$  is lower alkyl.
18. The compound of claim 17 wherein  $R_6$  is methyl.
19. The compound of claim 17 wherein  $R_1$  is hydrogen.

20. The compound of claim 19 wherein R<sub>4</sub> is heteroaryl or substituted heteroaryl.

21. The compound of claim 20 wherein R<sub>4</sub> is substituted thienyl.

22. The compound of claim 21 where R<sub>4</sub> is 2-[5-(2-chloro-4-methylphenyl)thienyl], 2-[5-(2-methyl-4-chlorophenyl)thienyl], 2-[5-(2,4-dichlorophenyl)thienyl], 2-[5-(2-chloro-4-ethoxyphenyl)thienyl], 2-[5-(4-trifluoromethylphenyl)thienyl], 2-[5-(4-chlorophenyl)thienyl] or 2-[5-(2,4-dimethylphenyl)thienyl].

23. The compound of claim 17 wherein R<sub>1</sub> is alkyl or substituted alkyl.

24. The compound of claim 23 wherein R<sub>1</sub> is cyclic alkyl or substituted cyclic alkyl.

25. The compound of claim 24 wherein R<sub>1</sub> is cyclohexyl, cyclopentyl, 4-methylcyclohexyl or 4,4-dimethylcyclohexyl.

26. The compound of any of claims 24-25 wherein R<sub>4</sub> is substituted heteroaryl.

27. The compound of claim 26 wherein R<sub>4</sub> is substituted thienyl.

28. The compound of claim 27 wherein R<sub>4</sub> is 2-[5-(4-methoxylphenyl)thienyl], 2-[5-(3-fluoro-4-methoxylphenyl)thienyl], 2-[5-(4-trifluoromethylphenyl)thienyl], 2-[5-(4-fluorophenyl)thienyl], 2-[5-(4-hydroxyphenyl)thienyl], 2-[5-(4-methylsulfonylphenyl)thienyl], 2-[5-(4-ethoxylphenyl)thienyl], 2-[5-(2-methylthiophenyl)thienyl], 2-[5-(3-methylthiophenyl)thienyl], 2-[5-(2-methoxy-3-fluorophenyl)thienyl], 2-{5-[5-(2-fluoropyridinyl)]thienyl}, 2-{5-[5-(2-methoxypyridinyl)]thienyl}, 2-{5-[3-(2-chloropyridinyl)]thienyl} or 2-{5-[5-(2-chloropyridinyl)]thienyl}.

29. The compound of claim 26 wherein R<sub>4</sub> is substituted isoxaloyl.

30. The compound of claim 29 wherein R<sub>4</sub> is 5-[3-(4-chlorophenyl)isoxaloyl].
31. The compound of claim 26 wherein R<sub>4</sub> is substituted pyridinyl.
32. The compound of claim 31 wherein R<sub>4</sub> is 5-[2-(3-thienyl)pyridinyl], 5-[2-(5-dihydrobenzofuranyl)pyridinyl], 5-[2-(4-methylphenyl)pyridinyl], 5-[2-(6-benzodioxanyl)pyridinyl] or 5-[2-(4-methoxyphenyl)pyridinyl].
33. The compound of claim 26 wherein R<sub>4</sub> is substituted thiazolyl.
34. The compound of claim 33 wherein R<sub>4</sub> is 5-[2-(4-fluorophenylamino)thiazolyl], 5-[2-(4-methylphenylamino)thiazolyl] or 5-(2-phenylamino)thiazolyl.
35. The compound of claim 26 wherein R<sub>4</sub> is substituted imidazolyl.
36. The compound of claim 35 wherein R<sub>4</sub> is 5-[2-(4-trifluoromethylphenyl)imidazolyl].
37. The compound of claim 26 wherein R<sub>4</sub> is substituted aryl.
38. The compound of claim 37 wherein R<sub>4</sub> is 4-(4-fluorophenoxy)phenyl, 4-(4-chlorophenyl)phenyl or 4-(4-trifluoromethylphenyl)phenyl.
39. The compound of claim 26 wherein R<sub>4</sub> is substituted alkyl.
40. The compound of claim 39 wherein R<sub>4</sub> is 4-(4-chlorophenyl)cyclohexyl.
41. The compound of claim 23 wherein R<sub>1</sub> is lower alkyl.
42. The compound of claim 41 wherein R<sub>1</sub> is methyl, ethyl, isopropyl or propyl.
43. The compound of claim 42 wherein R<sub>4</sub> is substituted heteroaryl.

44. The compound of claim 43 wherein R<sub>4</sub> is substituted thienyl.

45. The compound of claim 44 wherein R<sub>4</sub> is 2-[5-(2-methoxy-5-isopropylphenyl)thienyl], 2-[5-(2-methoxy-5-fluorophenyl)thienyl], 2-[5-(2-benzothienyl)thienyl], 2-[5-(2-chloro-5-methylphenyl)thienyl], 2-[5-(2-methyl-5-chlorophenyl)thienyl], 2-[5-(2-methoxy-4-chlorophenyl)thienyl], 2-[5-(3,4-dimethoxyphenyl)thienyl], 2-[5-(4-methylsulfonylphenyl)thienyl], 2-[5-(2,4-dichlorophenyl)thienyl], 2-[5-(4-acetylaminophenyl)thienyl], 2-[5-(2,3-dichlorophenyl)thienyl], 2-[5-(2-trifluoromethylphenyl)thienyl], 2-[5-(2-methoxy-6-fluorophenyl)thienyl], 2-[5-(4-isopropoxyphenyl)thienyl], 2-[5-(2,5-dichlorophenyl)thienyl], 2-[5-(2-isopropoxyphenyl)thienyl], 2-[5-(3-trifluoromethylphenyl)thienyl], 2-[5-(2-chloro-4-ethoxyphenyl)thienyl], 2-[5-(3-chloro-4-methoxyphenyl)thienyl], 2-[5-(2-methyl-3-chlorophenyl)thienyl], 2-[5-(2,6-dimethyl-4-methoxyphenyl)thienyl], 2-[5-(6-benzodioxanyl)thienyl], 2-[5-(2-fluoro-3-methoxyphenyl)thienyl], 2-[5-(2-fluoro-5-methoxyphenyl)thienyl], 2-[5-{5-[5-(2,2-difluorobenzodioxolyl)]thienyl}], 2-[5-(2-fluoro-3-methylphenyl)thienyl], 2-[5-(4-chlorophenyl)thienyl], 2-[5-(2-methoxy-3-fluorophenyl)thienyl], 2-[5-(2-methyl-4-methoxyphenyl)thienyl], 2-[5-{5-(2-methoxypyridinyl)]thienyl}], 2-[5-(4-trifluoromethoxyphenyl)thienyl], 2-[5-(4-ethylphenyl)thienyl], 2-[5-(4-cyanophenyl)thienyl], 2-[5-(4-methylthiophenyl)thienyl], 2-[5-(2-methyl-4-fluorophenyl)thienyl], 2-[5-(2-methylphenyl)thienyl], 2-[5-(4-methylphenyl)thienyl], 2-[5-(3-fluorophenyl)thienyl], 2-[5-(4-fluorophenyl)thienyl], 2-[5-(2,4-dimethylphenyl)thienyl], 2-[5-(3,4-dimethylphenyl)thienyl], 2-[5-(2,6-dimethylphenyl)thienyl], 2-[5-(2-methoxyphenyl)thienyl], 2-[5-(3-methoxyphenyl)thienyl], 2-[5-(2-chlorophenyl)thienyl], 2-[5-(3-chlorophenyl)thienyl], 2-[5-(2,3-difluorophenyl)thienyl], 2-[5-(2,4-difluorophenyl)thienyl], 2-[5-(2-benzofuranyl)thienyl], 2-[5-(4-acetylphenyl)thienyl], 2-[5-(5-benzodihydrofuranyl)thienyl], 2-[5-(4-isopropylphenyl)thienyl], 2-[5-(4-dimethylaminophenyl)thienyl], 2-[5-(5-benzodioxolyl)thienyl], 2-[5-(2-ethoxyphenyl)thienyl], 2-[5-(3-ethoxyphenyl)thienyl], 2-[5-(4-ethoxyphenyl)thienyl], 2-[5-(2-methoxy-4-methylphenyl)thienyl], 2-[5-(3-chloro-4-methylphenyl)thienyl], 2-[5-(2-fluoro-4-ethoxyphenyl)thienyl], 2-[5-(4-dimethylaminoformylphenyl)thienyl], 2-[5-(2-ethoxy-5-chlorophenyl)thienyl] or 2-[5-(2-chloro-4-ethoxyphenyl)thienyl].

46. The compound of claim 42 wherein R<sub>4</sub> is substituted aryl.

47. The compound of claim 46 wherein R<sub>4</sub> is 4-(4-methoxyphenyl)phenyl, 4-(3-fluoro-4-methoxyphenyl)phenyl, 4-(2-methyl-4-methoxyphenyl)phenyl, 4-[6-(2-methoxypyridinyl)phenyl], 4-(4-trifluoromethoxyphenyl)phenyl, 4-(4-ethylphenyl)phenyl, 4-(4-cyanophenyl)phenyl, 4-(4-methylthiophenyl)phenyl or 4-(2-methyl-4-fluorophenyl)phenyl.

48. The compound of claim 23 wherein R<sub>1</sub> is substituted lower alkyl.

49. The compound of claim 48 wherein R<sub>1</sub> is 1-methyl-2-methylsulfonylethyl, 4-cyclopentylbutyl, 3-hydroxybutyl, 2-methoxyethyl, 2-(4-fluorophenoxy)ethyl, 3-pyrrolidinylformylpropyl or 3-trifluoromethylpropyl.

50. The compound of claim 49 wherein R<sub>4</sub> is substituted heteroaryl, substituted aryl or substituted alkyl.

51. The compound of claim 50 wherein R<sub>4</sub> is 5-[3-(4-chlorophenyl)isoxaloyl] or 2-[5-(4-methoxyphenyl)thienyl].

52. The compound of claim 50 wherein R<sub>4</sub> is 4-(4-chlorophenyl)phenyl or 4-(4-fluorophenoxy)phenyl.

53. The compound of claim 50 wherein R<sub>4</sub> is (4-chlorophenyl)cyclohexyl.

54. The compound of claim 23 wherein R<sub>1</sub> is heterocycle or substituted heterocycle.

55. The compound of claim 54 wherein R<sub>1</sub> is 4-tetrahydropyranyl, 4-(1-acetylpiriperidinyl) or 4-(1-methylthiopiperidinyl).

56. The compound of claim 55 wherein R<sub>4</sub> is substituted heteroaryl, substituted aryl or substituted alkyl.

57. The compound of claim 56 wherein R<sub>4</sub> is 5-[3-(4-chlorophenyl)isoxaloyl], 2-[5-(4-methoxyphenyl)thienyl], 4-(4-chlorophenyl)phenyl, 4-(4-fluorophenoxy)phenyl or (4-chlorophenyl)cyclohexyl.

58. A composition comprising a compound of claim 1 in combination with a pharmaceutically acceptable carrier or diluent.

59. A method for antagonizing melanin concentrating hormone in a subject in need thereof, comprising administering to the subject an effective amount of a compound of claim 1 or a composition of claim 58.

60. A method for treating obesity in a subject in need thereof, comprising administering to the subject an effective amount of a compound of claim 1 or a composition of claim 58.

61. A method for treating anxiety and/or depression in a subject in need thereof, comprising administering to the subject an effective amount of a compound of claim 1 or a composition of claim 58.

62. A method for treating digestive disorder in a subject in need thereof, comprising administering to the subject an effective amount of a compound of claim 1 or a composition of claim 58.

63. A method for treating fertility or sexual function disorder in a subject in need thereof, comprising administering to the subject an effective amount of a compound of claim 1 or a composition of claim 58.

64. A method for treating urinary disorder in a subject in need thereof, comprising administering to the subject an effective amount of a compound of claim 1 or a composition of claim 58.